



# Defense Supply Center Richmond (DSCR) Environmental Restoration Program

## Operable Unit 2 Path Forward

January 8, 2007

## Restoration Advisory Board Meeting

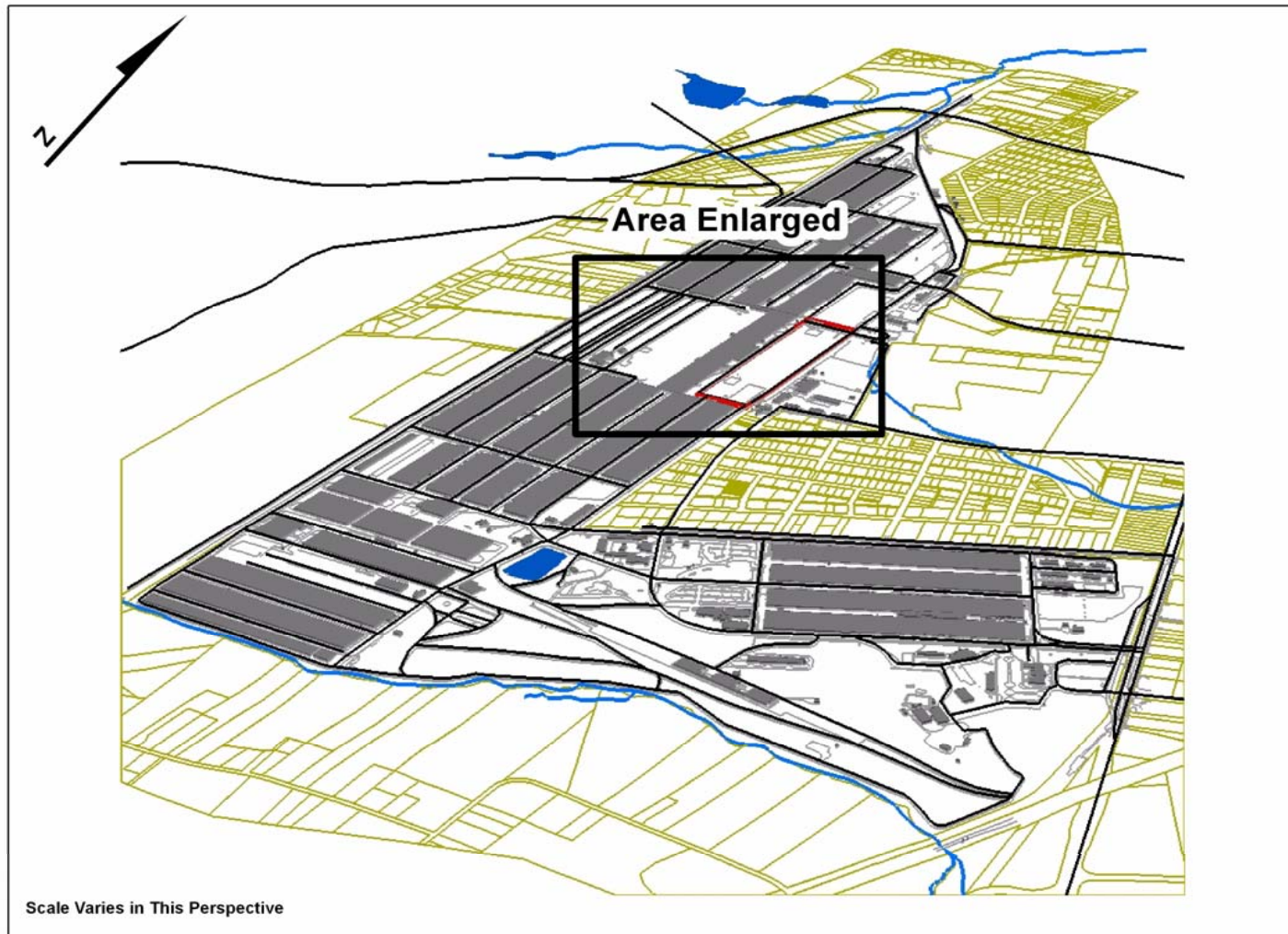


*DLA's Aviation Supply & Demand Chain Manager*



# OU 2 Location

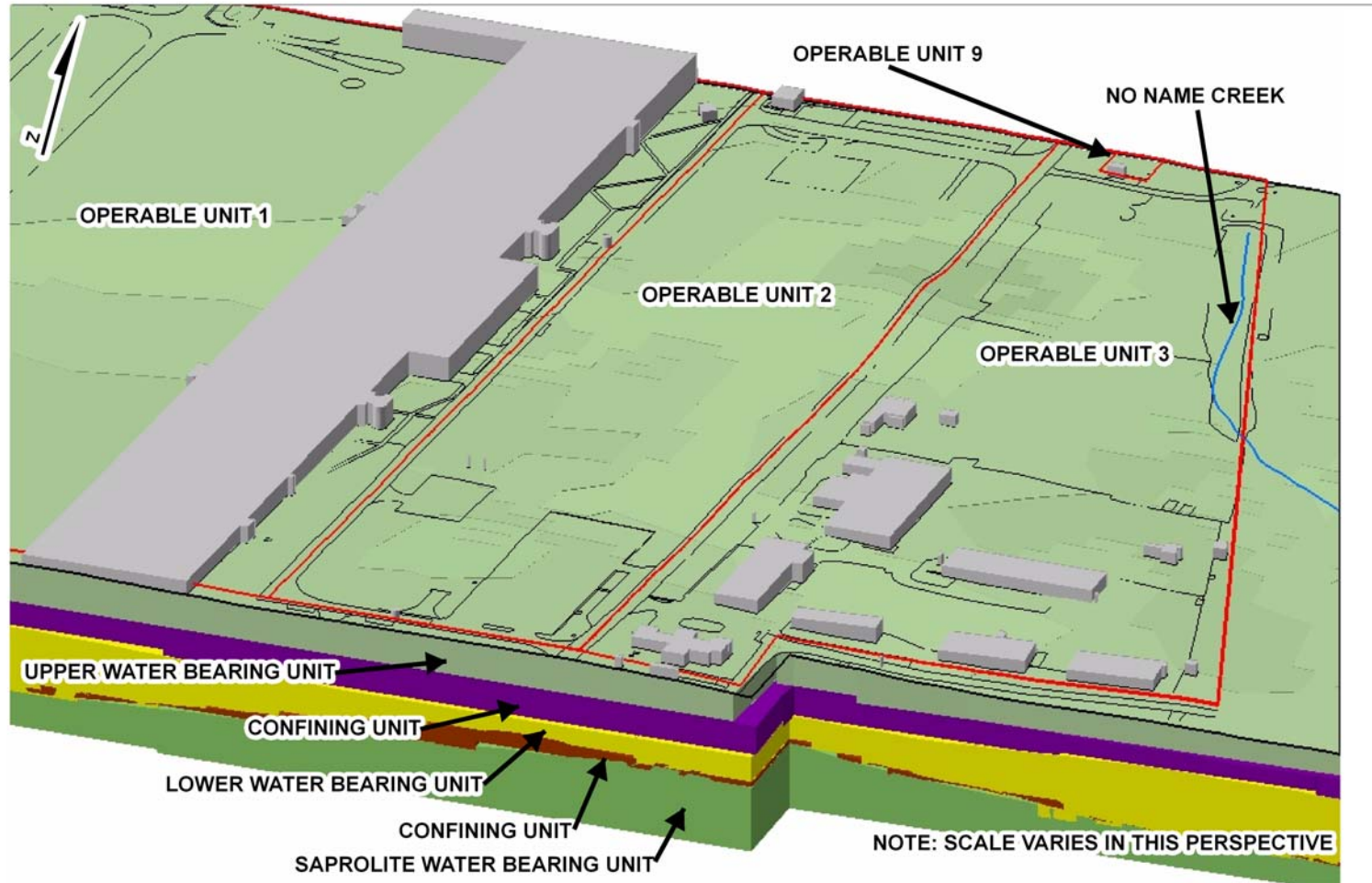
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# OU 2 Location

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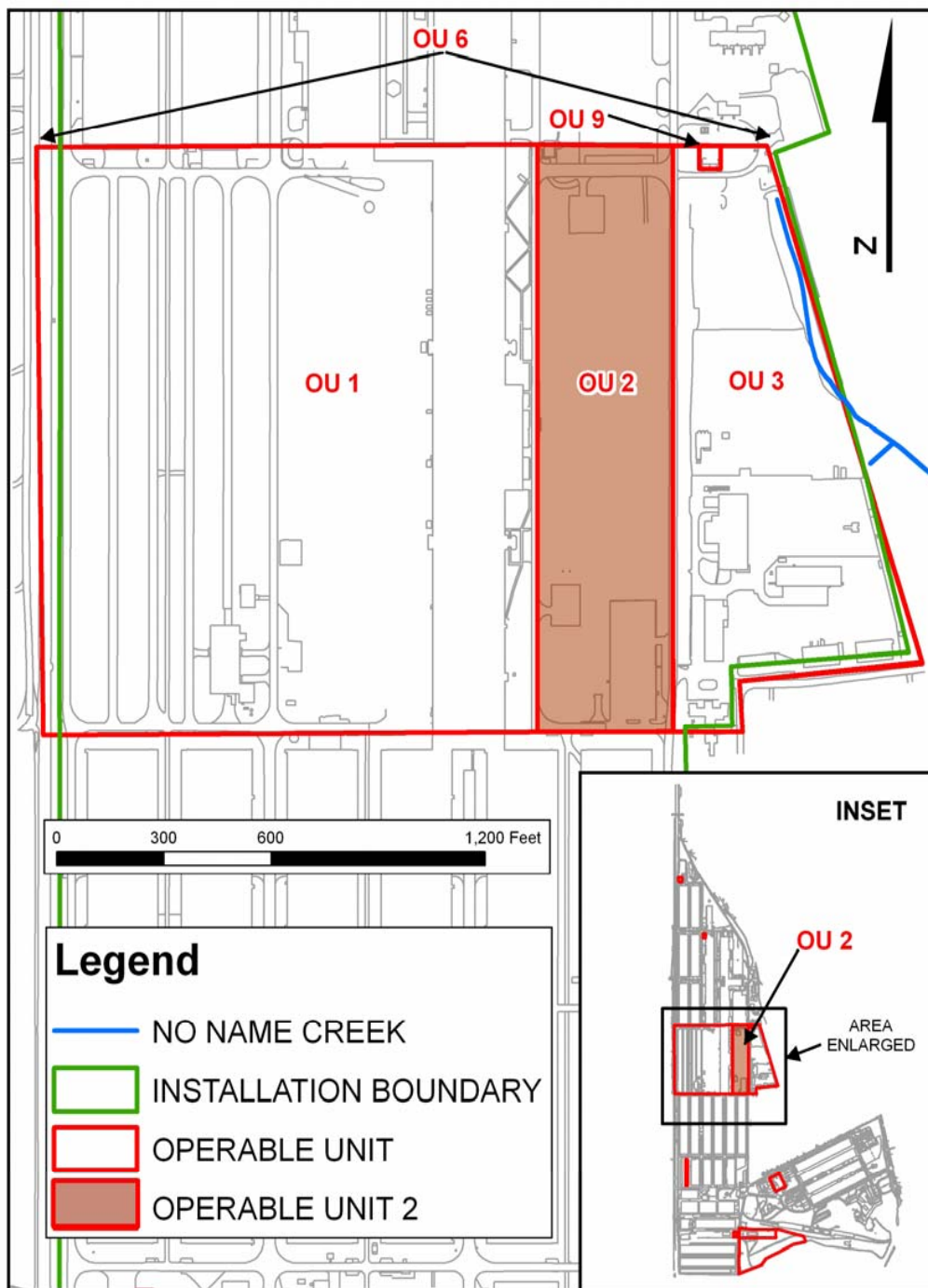




# OU 2 Location

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- **Soil source area associated with former Area 50 Landfill**
- **Approximately 13 acres**
- **Located in the central region of installation**
- **Formerly an approximately 200 foot by 800 foot by 10 feet deep ravine extended through area**
- **Groundwater beneath OU 2 is part of OU 6**





# OU 2 Background

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- **Filling activities started in the 1950's and ended in the early 1970's**
- **Suspected materials disposed at OU 2 include chemicals used for photography development, organic solvents, pesticides/herbicides, petroleum, oil, and lubricants, and PCBs**
- **Unexploded ordnance, and free-phase fuel oil (dark fluid) observed in some exploratory trenches advanced through OU 2**



# OU 2 Path Forward

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## **Alternatives initially evaluated:**

- 1) No-action**
- 2) Institutional controls**
- 3) Soil cover with storm sewer rehabilitation, institutional controls, and source removal of free product and saturated soils**
- 4) Clay cover with storm sewer rehabilitation, institutional controls, and source removal of free product and saturated soils**



# OU 2 Path Forward

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- **Field Investigations conducted from 2001 to 2005 did not show evidence of free phase fuel oils or fuel stained soils:**
  - **Conceptual Site Model**
  - **Revised Human Health Baseline Risk Assessment (HHBRA)**
  - **Creeks HHBRA**
  - **Results of Three-Year Creek Monitoring Program**



# OU 2 Path Forward

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## Remedial Action Objectives:

- Prevent human exposure to impacted soils and dust
- Reduce migration of impacts in soil to groundwater
- Prevent exposure to unexploded ordnances





# OU 2 Path Forward

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- **Proposed Remedy 2006**

**Alternatives now refined:**

- 1) No-action**
- 2) Institutional controls**
- 3) Soil cover with storm sewer rehabilitation, institutional controls, and source removal of free product and saturated soils**
- 4) Clay cover with storm sewer rehabilitation, institutional controls, and source removal of free product and saturated soils**



# OU 2 Path Forward

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- **Components of Proposed Remedy 2006**

- 1) **Soil cover**

**Storm sewer rehabilitation**

**Institutional controls**

**Source removal of free product  
and saturated soils**



# OU 2 Path Forward

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## Next Steps

- **Develop the Proposed Plan**
- **Hold Public Meeting for Proposed Plan**
- **Develop the Record of Decision**